JORDAN A. CHEUNG

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SUMMARY

Key Skills: Design Thinking • Technical Writing • AutoCAD and Fusion360 Certified • Figma • Java • R • FAA Part 107 License

- From redesigning accessible exit signs to leading collaborative teams, brings enthusiasm, strong communication skills, and meticulous attention to detail to every project, ensuring impactful outcomes for diverse communities
- Technology and puzzle enthusiast passionate about design thinking and committed to creating fun, engaging solutions that put empathy at the forefront of user experiences to design a society full of value-based inclusion
- Honors HCDE student honing technical writing, operational expertise, and task management skills as a research assistant

EDUCATION

UNIVERSITY OF WASHINGTON Seattle, WA

BS, Human-Centered Design and Engineering (HCDE) Graduating Jun 2027

Minor in Informatics; Interdisciplinary Honors Program

Activities: Society of Women Engineers • UW Treble and Recital Choirs • Terry Hall Council

Awards: Purple and Gold Scholarship • Dean's List; **Cumulative GPA**: 3.91/4.0, **Major GPA**: 4.0/4.0

Relevant Courses: Intro to Computer Programming I-III • Inclusive Design • Statistical Methods in Engineering and Science • Foundational Skills for Data Science • Multivariable Calculus • Intro to Differential Equations • Linear Algebra • Intro to Logic

JOB EXPERIENCE & LEADERSHIP

UW NATURAL HAZARDS RESEARCH FACILITY Seattle, WA

Undergraduate Research Assistant (NHERI RAPID REU) Jan 2024 – Present

- Enable researchers of all skill levels to operate instruments safely, properly, and to their full potentials by writing 80+ pages of manuals for surveying antennas and drone use
- Apply UX principles by incorporating detailed image descriptions, visuals reducing cognitive load, consistent formatting, progressive disclosure, and clear information hierarchy
- Optimized Arduino program to extend battery life by 33% in a coastal research device through troubleshooting, testing, and strategic software adjustments in C++
- Support annual reporting of facility operations to the National Science Foundation by creating searchable, standardized spreadsheets for tracking deployments, publications, and facility data

FIRST ROBOTICS COMPETITION (FRC) TEAM 1257 Scotch Plains, NJ

Team President Jun 2022 – Jun 2023

- Led 120+ members and supervised 7 cross-disciplinary subteams to direct logistics for community events and competitions
- Directed a $10K+ budget and fundraised $11.5K in sponsorships and donations
- Facilitated restructuring of the organization to ensure team sustainability and efficiency post-COVID

PROJECTS

INCLUSIVE DESIGN STUDENT GROUP PROJECT Seattle, WA

Assistive Device Design for Adaptable Home - bit.ly/jc-hcde315-final Spring 2024

- Collaborated with a real user and client through a 7-week co-design process to engineer 3 multifaceted in-home mobility aid options, integrating user feedback in every stage of design
- Applied design tools such as Figma, OnShape, physical prototypes, and sketches to develop and model solutions
- Focused on balancing aesthetics and function, promoting joy and play through design, providing challenge and rest options, and maintaining safety and cleanliness in the living space
- Reflected on the positionality, generalizability, and politics of final designs to form a personal design philosophy

PRINCETON UNIVERSITY IGNITESTEM Remote

Co-Author and Program Ambassador Apr 2021 – Apr 2022

- Collaboratively developed a workbook with STEM-based design thinking challenges for middle and high school teachers
  Intro to Ideation, 2022 – bit.ly/intro-to-ideation
- Created, tested, and edited design thinking challenges, emphasizing ethical implications, real-world accuracy, and clarity

ADDITIONAL

Interests: Inclusive Design • Accessibility • DEI • Human-Computer Interaction • Technology • Community-Building

Hobbies: Chorus • Music • Graphic Novels • Language-Learning • Crosswords and Puzzles • Knitting • Bouldering • Running